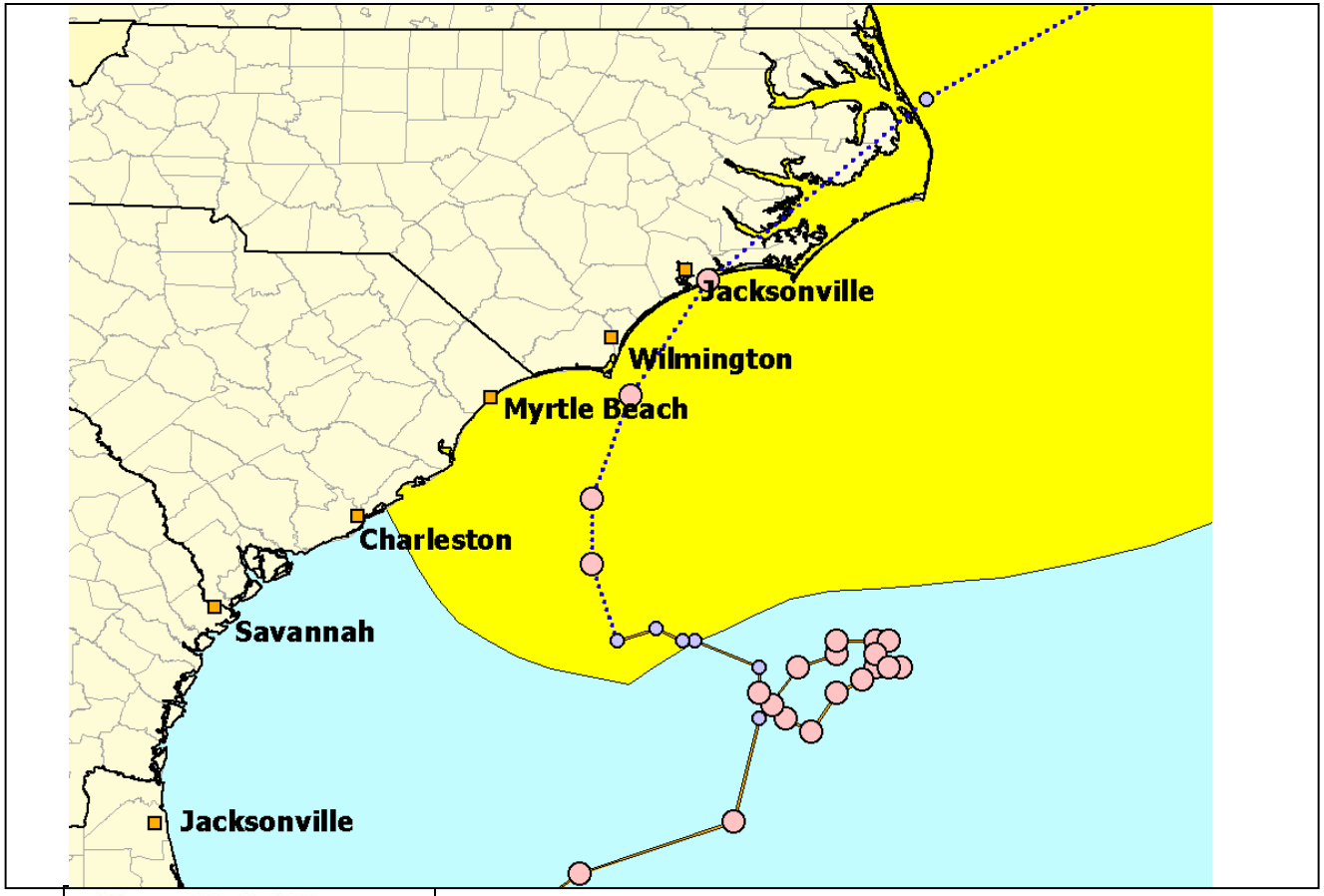
Hurricane Ophelia Model Results

Landfall Expected Within About *2* Days

For Official Use Only!



Information provided on the following page displays the **most probable hurricane track** based on information from the National Hurricane Center (NHC) **for the Atlantic Coast**. These projections are based on information from the NHC (2300 – 09/12/2005) forecast.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

Tropical Storm
Category 1 Hurricane
Category 2 Hurricane
Category 3 Hurricane
Category 4 Hurricane

NHC Forecast Track

Probable Landfall Zone

US Army Corps of Engineers

urricane Ophelia 2-Day Model

Generated By: Terry Siemsen
Generated Date: 2300 EDT 09/12/2005

Sources:
HURREVAC
LRL-DEBRIS

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Values Provided For Planning Purposes

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		Ice/Water Commodities - Trucks/Distribution Lanes Ramp-up (Number of Trucks Each Commodity and Lanes Anticipated - end of each day)					
	Debris (cu yds)	Day One (25%)*	Day Two (50%)*	Day Three (100%)*	Commodity Trucks Day 1-3 Total	Within Hurricane Force Winds Population	Households
Morehead City Track							
North Carolina	753,000	7	14	28	50	473,000	183,000
Total	**753,000**	**7**	**14**	**28**	**50**	**473,000**	**183,000**
Savannah Track							
Georgia	1,804,000	5	9	18	32	302,000	115,000
South Carolina	78,000	0	1	2	3	31,000	12,000
Total	**1,882,000**	**5**	**10**	**20**	**35**	**333,000**	**127,000**
Charleston Track							
South Carolina	2,850,000	8	16	32	56	529,000	201,000
Total	**2,850,000**	**8**	**16**	**32**	**56**	**529,000**	**201,000**
Wilmington Track							
North Carolina	1,106,000	4	7	14	25	241,000	99,400
Total	**1,106,000**	**4**	**7**	**14**	**25**	**241,000**	**99,400**

Key assumption is that establishment of distribution lanes will be the limiting factor.

* Assumption is that States/locals (FL is the * exception) will have the capability to establish about 25% of needed distribution lanes in the first 24 hours post-landfall, about 50% of needed distribution lanes in the first 48 hours after landfall, and all needed lanes by 72 hours post landfall. Florida, due to past experience, estimates they can establish up to 50 distribution lanes per day.

Ophelia CAT2 48 hour assumption - 30% of the population within hurricane force winds will require water and/or ice

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